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BUREAU OF ANIMAL INDUSTRY.

A. B. MELVIN, CHIEF OF BUREAU.

SERVICE AND REGULATORY ANNOUNCEMENTS.

FEBRUARY, 1916.

[This publication is issued monthly for the dissemination of information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry. Free distribution is limited to persons in the service of the bureau, establishments at which the Federal meat inspection is conducted, public officers whose duties make it desirable for them to have such information, and journals especially concerned. Others desiring copies may obtain them from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents each, or 50 cents a year. A supply will be sent to each official in charge of a station or branch of the bureau service, who should promptly distribute copies to members of his force. A file should be kept at each station for reference.]

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CHANGES IN DIRECTORY.

Meat Inspection Inaugurated.

*1008. Fesenmeier Packing Co., Fourteenth Street and Madison Avenue, Hunting-
ton, W. Va.

1010. C. H. Paxton, Natural Bridge, Va.

1011. The Weideman Co., West Ninth Street and Mandrake Avenue, Cleveland,
Ohio.

427. Richardson & Robbins Co., Dover, Del.

1007. The Haserot Canneries Co., Forestville, N. Y.

881. Nathan Zimmermann, jr., 149 State Street, New Haven, Conn.

Meat Inspection Discontinued.

42-B. Jacob Dold Packing Co., 307-309 North Seventeenth Street, Richmond, Va.

2-Y. Armour and Co., East Liverpool, Ohio.

*986. The Elmore Live Stock Co., Post Office Box 43, Peoria, Ill.

*800. The Misses Gregory Co., 30½ Lafayette Street, Newark, N. J.

255. Merrell-Soule Co., corner Franklin and Plum Streets, Syracuse, N. Y.

*Conducts slaughtering.

Change in Firm Address.

2-UU. Armour & Co., 307 North Seventeenth Street, Richmond, Va., instead of Grace and Union Streets.

Change in Firm Name.

531. Hatley Brothers (and Hatley Cold Storage Co., subsidiary), Thirty-seventh and Iron Streets, Chicago, Ill., instead of Hatley Cold Storage Co.

Change in Number of Establishment.

224-B. Carsteens Packing Co. (and Empire Packing Co., subsidiary), Broadway and Regal Streets, Spokane, Wash., instead of establishment No. 684.

Stations Added.

Huntington, W. Va., meat inspection, Dr. E. B. Jansman, care Fesenmeier Packing Co., Fourteenth Street and Madison Avenue.

Natural Bridge, Va., meat inspection (substation of Richmond, Va.).

Oakland, Cal., inspection of plants manufacturing viruses, serums, toxins, etc., Dr. W. J. Stewart, Arco Apartments, 1438 Madison Street.

Dover, Del., meat inspection (substation of Philadelphia, Pa.).

Forestville, N. Y., meat inspection (substation of Buffalo, N. Y.).

Station Discontinued.

East Liverpool, Ohio, meat inspection (substation of Pittsburgh, Pa.).

Name Removed from Address List.

Dr. C. L. Wagner, Marshall, Mo. (Marshall, Mo., will be carried as a substation of Kansas City, Kans.)

Change of Official in Charge.

Dr. W. H. Timmons, P. O. box 254 (office at the Pearl Packing House, 710 North West Street), Madison, Ind., instead of Dr. Henry Loth.

Changes in Addresses of Officials in Charge.

Dr. J. A. Barger, 605 Millsaps Building, Corner Capital and Roach Streets, Jackson, Miss., instead of Jackson, Miss.

Dr. W. M. MacKellar, 306 Federal Building, San Diego, Cal., instead of 219 Federal Building.

Dr. W. E. Howe, 444 Post-Office Building, Denver, Colo., instead of 339 Railway Exchange Building.

Dr. E. I. Smith, 603-604 Roumain Building, Baton Rouge, La., instead of Alexandria, La.

Dr. Julius Huelsen, 303-304 United States Barge Office, New York, N. Y., instead of 104 West Forty-second Street.

Note.

Meat inspection has been extended at establishments 20-B, 20-J, 20-K, 20-M, 20-R, 20-U, 20-V, and 20-X to include Sulzberger & Sons Co.

NOTICES REGARDING MEAT INSPECTION.**HOLDING SWINE FOR FURTHER OBSERVATION AND TAKING OF TEMPERATURES.**

When swine are presented for ante-mortem inspection under the meat-inspection regulations and only a part of the lot show a temperature of 106° F. or higher, and the owner or agent requests that the animals with high temperatures be held for further observation and taking of temperatures, those animals of the lot which show a temperature lower than 106° F. need not be held but should be permitted to proceed to slaughter in accordance with the terms of the regulations applicable to such animals.

REPORTING PRODUCTS PREPARED FROM MEATS PASSED FOR STERILIZATION.

Until revised forms are printed, the following changes should be made on the present forms covering the handling of meats passed for sterilization. On M. I. Form 124-A insert the words "and other" between the words "Canned" and "product," so that it will read: "Canned and other product," from meats passed for sterilization. On M. I. Form 110 make the heading to read "Product sterilized." On M. I. Forms 140 and 140-A, change the headings to read, "Removed for sterilization."

DISINFECTING SOLUTIONS FOR HIDES AND SKINS.

Under paragraph 3, section 8, regulation 10, of B. A. I. Order 211, as amended by amendment 2, the use is permitted in official establishments of the following saponified cresol solutions as substitutes for liquor cresolis compositus in disinfecting hides and skins:

"*Licresolis*," manufactured by the West Disinfecting Co., New York, N. Y.

"*Cre-septic*," manufactured by the Theo. B. Robertson Soap Co., Chicago, Ill.

"*Crestall Dip*," manufactured by Baird & McGuire, Boston, Mass.

"*Van Schaack's Liquor Cresolis Comp.*," manufactured by Peter Van Schaack & Sons, Chicago, Ill.

ANIMALS SLAUGHTERED UNDER FEDERAL MEAT INSPECTION, JANUARY, 1916.

| City. | Cattle. | Calves. | Sheep. | Goats. | Swine. |
|--|-----------|---------|-----------|---------|------------|
| Chicago..... | 174,081 | 26,658 | 262,848 | 722 | 1,027,811 |
| Fort Worth..... | 17,622 | 4,418 | 4,982 | 1,080 | 84,262 |
| Kansas City..... | 70,216 | 4,754 | 123,969 | 680 | 357,477 |
| National Stock Yards..... | 44,376 | 5,332 | 24,125 | 567 | 228,495 |
| Omaha..... | 66,046 | 2,313 | 162,996 | 36 | 317,654 |
| Sioux City..... | 24,240 | 597 | 17,425 | 1 | 168,486 |
| South St. Joseph..... | 19,258 | 1,510 | 59,104 | 119 | 234,745 |
| All other establishments..... | 206,668 | 83,649 | 320,968 | 280 | 2,968,403 |
| Total—January, 1916..... | 622,507 | 129,231 | 976,417 | 3,485 | 5,387,333 |
| January, 1915..... | 572,748 | 108,642 | 1,196,268 | 2,356 | 4,273,788 |
| Seven months ending January, 1916..... | 4,569,291 | 985,974 | 7,608,180 | 95,878 | 23,486,251 |
| Seven months ending January, 1915..... | 4,330,639 | 888,585 | 8,525,355 | 106,936 | 20,239,336 |

IMPORTS OF FOOD ANIMALS AND OF MEATS AND MEAT FOOD PRODUCTS.

The statements following show the imports of food animals and of meats and meat food products inspected by the Bureau of Animal Industry during January, 1916, with figures for other periods for comparison.

Imports of food animals.

| Country of export. | Cattle. | Swine. | Sheep. | Goats. |
|--|---------|---------|---------|--------|
| Mexico..... | 8,738 | 8 | | 1,097 |
| Canada..... | 3,671 | 12 | 46 | |
| Total—January, 1916..... | 12,409 | 20 | 46 | 1,097 |
| January, 1915..... | 37,958 | 25,382 | 22,200 | 1,286 |
| Seven months ending January, 1916..... | 374,801 | 3,752 | 191,726 | 74,928 |
| Seven months ending January, 1915..... | 382,897 | 147,594 | 105,037 | 36,692 |

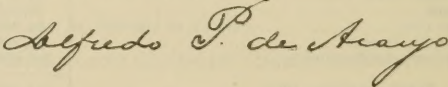
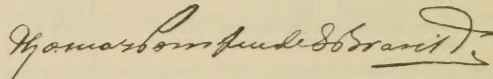
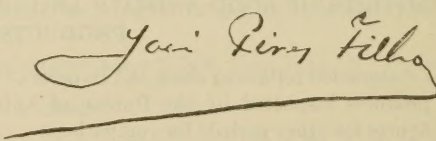
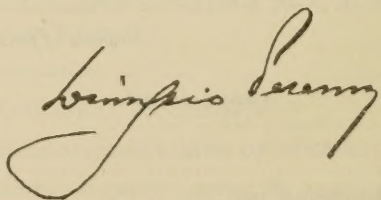
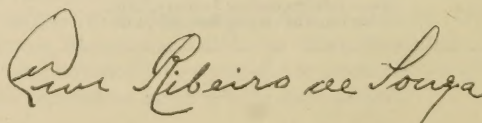
Imports of meats and meat food products.

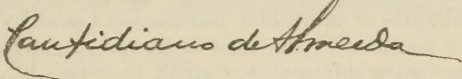
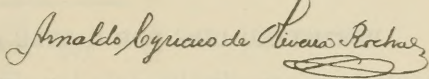
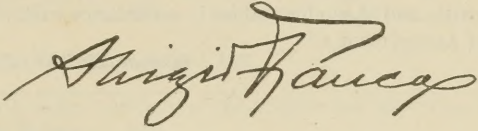
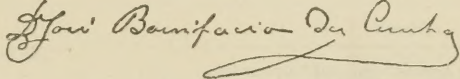
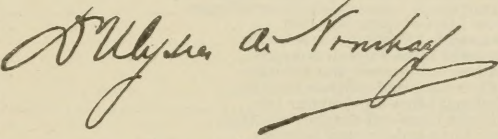
| Country of export. | Fresh and refrigerated. | | Canned and cured meats. | Other products. | Total. |
|------------------------------------|-------------------------|----------------|-------------------------|-----------------|----------------|
| | Beef. | Other. | | | |
| | <i>Pounds.</i> | <i>Pounds.</i> | <i>Pounds.</i> | <i>Pounds.</i> | <i>Pounds.</i> |
| Argentina..... | 9,505,842 | 2,759,088 | | 66,147 | 12,331,077 |
| Brazil..... | 1,144,890 | | | | 1,144,890 |
| Canada..... | 200,716 | 23,964 | 33,795 | 54,373 | 312,851 |
| Uruguay..... | 1,149,735 | 80,398 | | 167,006 | 1,397,139 |
| Other countries..... | | | 27,949 | 36,467 | 64,416 |
| Total—January, 1916..... | 12,001,183 | 2,863,450 | 61,747 | 323,993 | 15,250,373 |
| January, 1915..... | 25,131,158 | 2,654,171 | 1,027,777 | 315,742 | 29,128,848 |
| 7 months ending January, 1916..... | 65,340,583 | 10,547,195 | 2,123,537 | 1,312,053 | 79,393,368 |
| 7 months ending January, 1915..... | 133,732,806 | 20,862,836 | 21,390,087 | 4,136,895 | 180,122,624 |

Condemned in January, 1916: Beef, 7,552 pounds; mutton, 156 pounds; total, 7,708 pounds. Refused entry: Beef, 468 pounds; pork, 2,964 pounds; total, 3,432 pounds.

FOREIGN OFFICIALS AUTHORIZED TO SIGN INSPECTION CERTIFICATES FOR MEAT AND PRODUCTS FOR IMPORTATION INTO THE UNITED STATES.

The following are additional names, addresses, and facsimile signatures of foreign National Government officials authorized to sign and issue certificates of inspection for meat and meat food products offered for importation into the United States:

| Country, name, and address. | Signature. |
|--|---|
| <i>Brazil.</i> | |
| Alfredo Porphirio de Araújo, Belem. |  |
| Thomas Pompeo de Souza Brazil Filho, Fortaleza. |  |
| José Pires Filho, Recife. |  |
| Dionysio da Silva Lima Pereira, Bahia. |  |
| Luiz Ribeiro de Souza, São Paulo. |  |

| Country, name, and address. | Signature. |
|--|---|
| Cantidiano de Almeida, Uberaba. |  |
| Arnaldo Cyriaco de Oliveira Rocha, Campos. |  |
| Aluizio Franca, Ponta Grossa. |  |
| José Bonifacio da Cunha, Florianópolis. |  |
| Ulysses Pereira de Nonohay, Santa Maria da Bocca do Monte. |  |

NAMES REMOVED FROM LIST.

China.

Louie Hugh, Canton.

C. F. Ying Bung, Shanghai.

INSPECTION AND TESTING OF ANIMALS FOR CANADA.

The following changes have been made in the list of practicing veterinarians registered by the bureau and authorized to inspect and test with mallein horses, mules, and asses intended for export to Canada:

Names added to list.

Dr. S. Sheldon, Trenton, Mo.

Dr. R. M. Allen, Marshalltown, Iowa.

Dr. E. Brainerd, Memphis, Mo.

Change in address.

Dr. C. McDowell, from La Crosse, Wis., to Watertown, S. Dak.

INDORSEMENT OF MALLEIN-TEST CERTIFICATES ISSUED BY REGISTERED VETERINARIANS.

The registration of practicing veterinarians with the bureau is in accordance with a provision of the regulations of the Canadian Department of Agriculture governing the entry of horse stock into that country, and is for the purpose of permitting such veterinarians to apply mallein tests and to issue certificates eligible for indorsement by a bureau inspector. Registered veterinarians are not authorized by the bureau to apply mallein tests to horse stock intended for interstate shipment, or to apply tuberculin tests to cattle for any purpose, and certificates of such tests issued by

registered veterinarians are not eligible for indorsement by bureau inspectors. All export shipments of dairy or breeding cattle must pass a satisfactory tuberculin test by an inspector of this bureau as required by amendment 1 to B. A. I. Order 139. Certificates of ophthalmic mallein test issued by a registered veterinarian for horse stock intended for shipment to Hawaii may, as in the case of certificates to accompany similar shipments to Canada, be indorsed by a bureau inspector.

PERMITTED DIPS FOR CATTLE AND SHEEP SCABIES.

The following is a complete list of the dips permitted for use in the official dipping of cattle and sheep for scabies in accordance with the provisions of B. A. I. Order 210 and Amendment 4:

Lime-and-sulphur dips.

| Name of dip. | Gallons of dip. | Gallons of water. | |
|---|-----------------|-------------------|------------|
| | | For cattle. | For sheep. |
| The Adams Lime-and-Sulphur Dip..... | 1 | 15 | 20½ |
| The Anchor Brand Lime-and-Sulphur Dip..... | 1 | 13 | 17½ |
| Armstrong's Lime-and-Sulphur Solution..... | 1 | 12½ | 17 |
| Dow Lime-Sulphur Solution..... | 1 | 14½ | 20 |
| Eckman's Lime-Sulphur Solution..... | 1 | 15 | 20½ |
| Grasselli Lime-Sulphur Solution..... | 1 | 15 | 20½ |
| Latimer's Lime-Sulphur Solution..... | 1 | 14½ | 20 |
| Lilly's Lime-and-Sulphur Solution..... | 1 | 13½ | 18½ |
| National Lime-and-Sulphur Dip..... | 1 | 5 | 7 |
| Niagara Lime-and-Sulphur Solution..... | 1 | 14 | 19 |
| Rex Lime-and-Sulphur Solution..... | 1 | 15 | 20½ |
| Richards's Lime-and-Sulphur Dip..... | 1 | 9½ | 13½ |
| Sherwin-Williams Lime-Sulphur Solution..... | 1 | 13 | 17½ |
| Sherwin-Williams No. 15 Cattle Dip..... | 1 | 15 | 20½ |
| "Upon Honor Lime-Sulphur Wash"..... | 1 | 12½ | 17 |

Nicotin dips.

Black Leaf Tobacco Extract, 5/100 of 1 per cent nicotin, with 2 per cent flowers of sulphur.

Black Leaf 40, 5/100 of 1 per cent nicotin, with 2 per cent flowers of sulphur.

PIGS USED IN TESTING ANTI-HOG-CHOLERA SERUM TO BE HELD UNDER OBSERVATION.

Under authority contained in regulation 22, amendment 1 to B. A. I. Order 196, it is hereby ordered that on and after March 1, 1916, pigs which are injected with serum in serum tests shall be held under the observation of a bureau employee for a period of 21 days or longer in the discretion of the inspector in charge.

TEXAS - FEVER QUARANTINE—WITHDRAWAL OF PERMISSION FOR SHIPMENT OF SOUTHERN CATTLE TO CERTAIN PLACES FOR IMMEDIATE SLAUGHTER.

Referring to regulation 2 of B. A. I. Order 210, State and Federal permission has been *withdrawn* for the shipment of southern cattle for immediate slaughter to the following places:

PENNSYLVANIA: *Philadelphia*.—Consolidated Dressed Beef Co., D. B. Martin Co., and West Philadelphia Stock Yards Co.

MISSOURI: *Springfield*.—Tegarden Packing Co.

ILLINOIS: *Cairo*.—Bucher Packing Co.

CONVICTIONS FOR VIOLATIONS OF LAWS.

MEAT-INSPECTION LAW.

For violations of the meat-inspection law the following-named defendants were fined the amounts indicated:

Acker, Merrill & Condit Co., New York, N. Y., \$50.

George Y. Signor, Downsville, N. Y., \$10.

E. E. Darling & Co., Troy, N. Y., \$10.

J. H. Townsend, Walton, N. Y., \$15.

Ira McIntosh, South Kortright, N. Y., \$10.

John H. Space, Monroe, N. Y., \$10.

Herman M. Caskey, New Hampton, N. Y., \$10.

TWENTY- EIGHT HOUR LAW.

The following results of prosecutions for violations of the 28-hour law were reported to the bureau during the month of February, 1916:

| No. cases. | Defendant. | Penalty. | |
|---------------|---------------------------------|----------|-------------------|
| | | Fine. | Costs. |
| 2 | Northern Pacific Ry. Co. | \$200 | And costs. Do. |
| 1 | Baltimore & Ohio R. R. Co. | 150 | |
| | Total (3 cases) | 350 | |

QUARANTINE LAWS.

The following results of prosecutions for violations of the live-stock quarantine law were reported to the bureau during the month of February, 1916:

| No. cases. | Defendant. | Nature of violation. | Penalty. | |
|---------------|---|---|----------|------------|
| | | | Fine. | Costs. |
| 1 | Richmond, Fredericksburg & Potomac R. R. Co. | Interstate shipments in violation of Texas fever regulations. | \$200.00 | \$17.30 |
| 1 | Southern Railway Co. | do. | 100.00 | 16.90 |
| 1 | Chicago, Rock Island & Gulf Ry. Co. | Interstate shipments in violation of sheep scabies regulations. | 100.00 | And costs. |
| | Total (5 cases) | | 700.00 | |

REPORTING VIOLATIONS OF 28-HOUR LAW.

Inspectors in charge are directed to render reports on the F. I. 59 forms covering all interstate shipments of live stock arriving apparently in violation of the 28-hour law, in which the animals have been confined in the cars beyond the period of 28 hours, where no request was made for the extension of time of confinement to 36 hours, and beyond the period of 36 hours where request for such extension was made in proper form. The effect of these instructions is to provide at all bureau stations a uniform method of reporting violations of the 28-hour law and the forwarding of reports of all shipments where the animals are confined beyond the statutory period.



PUBLICATIONS IN FEBRUARY.

[The bureau keeps no mailing list for sending publications to individual employees, but publications are sent in bulk to inspectors in charge for distribution to members of their forces. The number of copies varies with the subject or nature of the publication and the number and class of employees. For example, in the case of a publication on a veterinary subject, sufficient copies are sent for the veterinarians. Inspectors in charge will use their judgment and distribute publications to best advantage. Additional copies will be furnished on request so far as possible.]

Chemical Testing of Milk and Cream. By Roscoe H. Shaw, chemist, Dairy Division. Pp. 38, figs. 31. (Unnumbered pamphlet.)

Effects of Refrigeration upon Larvæ of *Trichinella Spiralis*. By B. H. Ransom, Chief of the Zoological Division. Pp. 819-854. (Reprint from the Journal of Agricultural Research, Jan. 31, 1916.)

Amendment 46 to B. A. I. Order 238. To Prevent the Spread of Foot-and-Mouth Disease in Cattle, Sheep, Other Ruminants, and Swine. (Modifies the quarantine in relation to the State of Illinois.)

Amendment 47 to B. A. I. Order 238. (Releases from quarantine the county of Lake and the Union Stock Yards at Chicago, and modifies the quarantine of Christian County, Ill.)

Amendment 48 to B. A. I. Order 238. (All of Christian County, Ill., is made free area except the townships of May, Locust, Taylorville, Johnson, and Assumption.)

Amendment 1 to B. A. I. Order 241. To Prevent the Spread of Splenetic, Southern, or Texas Fever in Cattle. (Releases from quarantine portions of Florida, Georgia, Mississippi, North Carolina, South Carolina, and Texas.)

B. A. I. Order 242. To prevent the Spread of Foot-and-Mouth Disease in Cattle, Sheep, Other Ruminants, and Swine. (Prohibits the interstate movement of animals for purposes other than slaughter from the territory designated unless accompanied by a Federal certificate.)

ORGANIZATION OF THE BUREAU OF ANIMAL INDUSTRY.

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Assistant Chief: JOHN R. MOHLER.

Chief Clerk: CHARLES C. CARROLL.

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Biochemical Division: M. DORSET, chief.

Dairy Division: B. H. RAWL, chief.

Field Inspection Division: R. A. RAMSAY, chief.

Meat Inspection Division: R. P. STEDDOM, chief.

Miscellaneous Division: A. M. FARRINGTON, chief.

Pathological Division: ADOLPH EICHHORN, chief.

Quarantine Division: RICHARD W. HICKMAN, chief.

Zoological Division: B. H. RANSOM, chief.

Experiment Station: E. C. SCHROEDER, superintendent.

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